TM 8115-13&P/1

TECHNICAL MANUAL

MAINTENANCE INSTRUCTIONS WITH ILLUSTRATED PARTS BREAKDOWN

FOR

PALLET CONTAINER

(PALCON)

PART NUMBER		NSN
Container	102440	8115-01-371-3690
Rack	102418	8115-01-370-8761
Insert, Full	102438	8115-01-371-4882
Insert, Half	102439	8115-01-377-8817

PLASTICS RESEARCH CORPORATION
Santa Fe Springs, California

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PCN 18281150000

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U.S. MARINE CORPS SUPPLEMENT

TO

MAINTENANCE INSTRUCTIONS

WITH

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DEPARTMENT OF THE NAVY
Headquarters, U.S. Marine Corps
Washington, D.C. 20380-0001

6 July 1995

1. This supplement is effective upon receipt. It is applicable to TM 8115-13&P/1, dated 01 September 1994, and applies only to those Manuals distributed for Marine Corps use.

INSERT LATEST CHANGED PAGES. DESTROY SUPERSEDED PAGES

LIST OF EFFECTIVE PAGES

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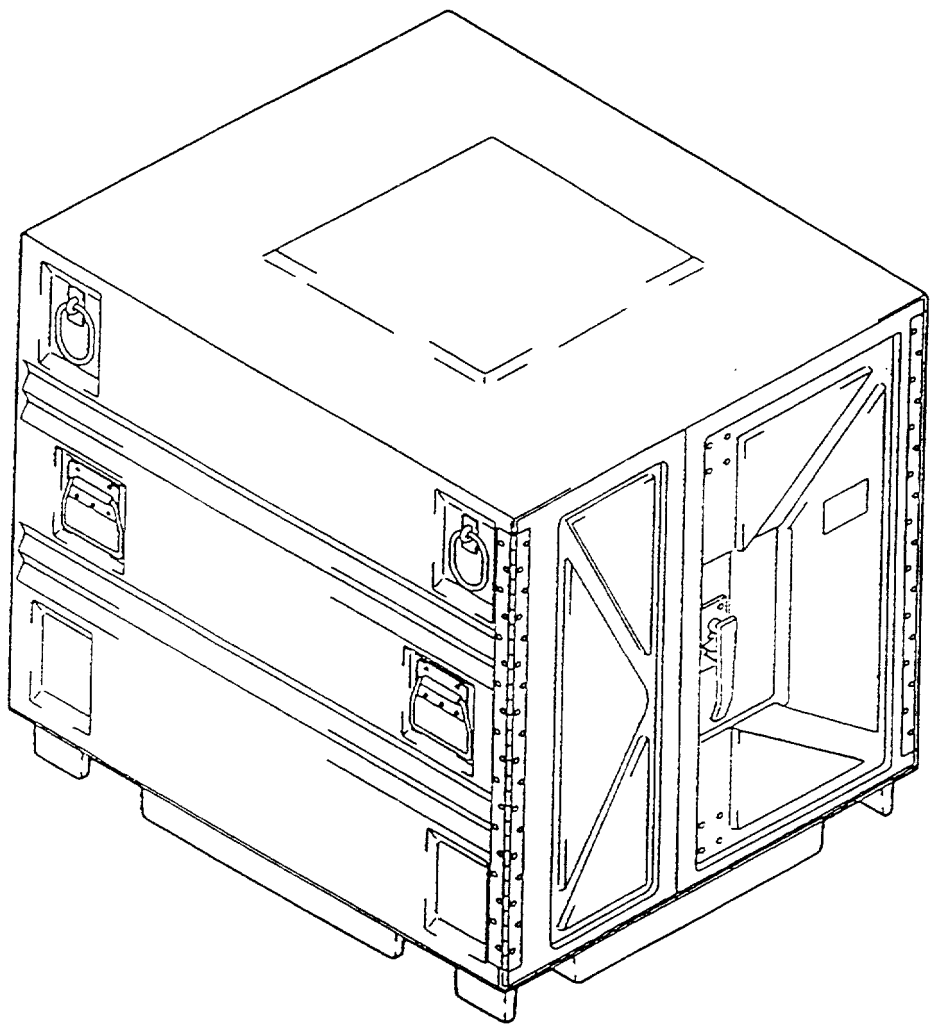
SECTION 1

GENERAL INFORMATION

1. GENERAL

This section provides general descriptive information on the Pallet Container (PALCON), PN 102440, manufactured by Plastics Research Corporation, Santa Fe Springs, California.



PALCON Pallet Container
Figure 1

2 DESCRIPTION

The Pallet Container, hereafter referred to as the container, is a light weight storage container used primarily for quick, easy access to deployed materials. The container is equipped with rings and may be tied down during shipment or lifted by forklift through staid slots or carried aloft. Handles are provided for transportability by personnel. The container is sealed and provides protection of contents in inclement weather. The container is not water tight, however, door gaskets and latching assembly provide a tight seal. The container is constructed of high strength, reinforced fiberglass. The container may be equipped with inserts or shelves for expanded uses.

3. LEADING PARTICULARS

The leading particulars for the Pallet Container are listed in Table 1.

Table 1. Leading Particulars

Height:	
with skid	46.8 inches
Length	48.0 inches
Width	40.0 inches
Weight:	
Pallet Container	174 pounds
Full Insert	27.5 pounds
Half Insert	14.2 pounds
Rack (2 shelves)	64.5 pounds

SECTION 2

DISASSEMBLY

1. GENERAL

Disassemble only to the extent necessary for repair. Refer to Illustrated Parts Breakdown Figure 2 (Page 12) for items in parenthesis. Remove and discard damaged or corroded gaskets.

2. DISASSEMBLY

A. Disassemble container as follows:

(1) Remove two nuts (4) and washers (3) and remove appropriate lift ring (2).

(2) Remove five rivets (6) and washers (7) and remove appropriate chest handle (5).

(3) Remove 18 rivets (9) and eight rivets (10 from hinge securing each door (11 and 21) to shell and remove appropriate door. Remove rivets securing hinge to door and remove hinge (8).

B. Disassemble the latching door assembly (12) as follows:

(1) Remove three rivets (14) securing handle (13) to door. Remove spacer (15) and discard if damaged.

(2) Remove rivets (17 and 18) securing latch assembly (16) to door.

C. Remove two screws (24) and nuts (25) and remove each latch bracket (23) from shell.

D. Disassemble the full insert assembly by removing lid (31) and dividers (32). Remove five rivets (34) and washers (35) and remove handle (33).

E. Disassemble the half insert assembly by removing lid (40) and dividers (41). Remove five rivets (43) and washers (44) and remove handle (42).

SECTION 3

REPAIR

1. GENERAL

This section provides the procedures for repairing the pallet container. Repair consists of the removal and replacement of defective components or the repair of structural fiberglass.

2. MATERIALS REQURED FOR REPAIR

The following items or equivalent substitutes are used for fiberglass repair.

Table 2. Repair Materials

ITEM	PART NO.	NOMENCLATURE	QTY	
1	700155	Epoxy Filler, Kit	1 Ea	Kit No. 101056-1 (Shelf Life Items)
2	700140	MEK Peroxide Catalyst 5/8 Oz	2 Ea	
3	MIL-R-7575	Polyester Resin, 1 Qt.	2 Ea	
4	700140	MEK Peroxide Catalyst, 1/8 Oz	1 Ea	
5	700035	Gelcoat, Green	4 Oz	
6	Com'l	Brush, Paint 2" Wide	3 Ea	Kit. No. 101056-2 (Indefinite Shelf Life Items)
7	700062	Mat, Fiberglass, 3 Oz/Ft^2 (2 Ft x 3 Ft)	2 Ea	
8	700127	Cloth, Fiberglass, 7 Oz/Yd^2 (3Ft x 4Ft)	2 Ea	
9	Com'l	Polyethylene Sheet (4 Ft x 4 Ft)	1 Ea	
10	Com'l	Kraft Paper (3 Ft x 6 Ft)	1 Ea	
11	Com'l	Tongue Depressor	4 Ea	
12	Com'l	Mixing Stick, Wood	4 Ea	
13	Com'l	Gloves, Polyethylene (Sizes Md & Lg)	1 Pr Ea	
14	Com'l	Sandpaper #36 Grit	4 Sheets	
15	Com'l	Sandpaper #120 Grit	4 Sheets	
16	700227	Adhesive	A/R	
17	700279	Adhesive	A/R	
18	700123	Sealant	A/R	

3. CONTAINER SHELL REPAIR

Punctures in any direction and cracks in the fiberglass reinforced plastic base or cover shells should be repaired on the interior surfaces. To repair the fiberglass shell, refer to Table 2 (Page 4) and proceed as follows:

A. Using sandpaper, sand an area approximately three inches larger in all directions from the damaged area.

B. Cut fiberglass mat to size three inches larger in all directions from the damaged area.

C. Mix resin and catalyst, (ratio 1 qt. resin to 5.8 oz. catalyst) and apply mixture, hereinafter referred to as resin, to sanded area, using paint brush.

D. Apply fiberglass mat to interior surface of shell over damaged area. (May be wet with resin).

E. Apply resin to fiberglass mat with brush until thoroughly wetted.

F. Cut fiberglass cloth to size three inches larger in all directions from the damaged area.

G. Apply fiberglass cloth over previously installed fiberglass mat.

H. Apply resin to fiberglass cloth and allow to cure for 24 hours.

I. Cracks or holes may require filling from the exterior in addition to interior repair. This is accomplished by filling with resin and mat, or poly filler.

J. After curing, sand the repaired area, using 36 and 120 grit sandpaper.

K. Surface scratches may be filled by applying a solution made up of 4 oz. gelcoat and 1/8 oz. of catalyst. Using a brush, apply the catalyzed gelcoat solution, cover with light plastic sheet (i.e. polyethylene) and allow to cure for one hour.

WARNING

THE RESIN, CATALYST AND ACETONE MUST NOT BE ALLOWED TO COME IN CONTACT WITH SENSITIVE PARTS OF THE BODY. BLINDNESS COULD RESULT FROM DIRECT CONTACT WITH THESE MATERIALS TO THE EYES. IN THE EVENT OF EYE EXPOSURE, QUICKLY FLUSH THE EYES WITH WATER AND CONSULT A PHYSICIAN. USE GLOVES WHEN HANDLING ANY OF THESE MATERIALS.

4. MAJOR DAMAGE REPAIR

When the damage is extensive and/or large sections of damaged material must be cut away, it will be necessary to place and secure a backing plate on the external surface. The backing plate, coated with wax or other mold release may be attached with screws and the screw holes later filled. The plate may be metal, wood or suitable material, capable of providing a straight, smooth surface over the hole.

The gelcoat may be substituted with a suitable paint. Gelcoat is air inhibited and must be covered in order to cure properly. Paints suitable are urethanes or any other paint normally used on metals or woods in an external application.

SECTION 4

ASSEMBLY

1. GENERAL

Procedures for the complete assembly of the PALCON are provided in the paragraphs that follow. Assemble only those items that were removed, disassembled or repaired to the extent necessary to repair. Refer to Illustrated Parts Breakdown Figure 2 (Page 12) for item numbers in parenthesis. Follow adhesive manufacturer's instructions before bonding. Prepare surface for bonding by scuffing and cleaning of contaminants.

2. DOOR ASSEMBLY

Assemble the latching door assembly (12), PN 102426 as follows:

A. Install latch assembly (16) and secure at the top and bottom of the door with four rivets (17).

B. Secure latch assembly at center of door with four rivets (18).

C. Install handle (13) over spacer (15) and secure to latch assembly and door with three rivets (14). Ensure that in locked position, latch bars extend beyond door, handle is pointing straight down. Ensure that in unlocked position, handle is perpendicular to door side and pointing towards door center.

D. Install gasket (19) to door's latch side and gasket (20) at bottom of door.

3. CONTAINER ASSEMBLY

Assemble components to the container as follows:

A. Install hinges (8) to doors (11 and 21) and secure with rivets (9 and 10). Secure hinges with doors to shell with rivets (9).

B. Install door gasket (22) to shell and bond with adhesive PN 700279 (item 17 Repair Materials Table).

C. Install chest handles (5) to shell secure with five rivets (6) and washers (7). Seal all three holes with sealant PN 700123 (item 18 Repair Materials Table).

D. Install lift ring assemblies (2) to shell and secure with two nuts (4) and washers (3). Seal all three holes with sealant PN 700123 (item 18 Repair Materials Table).

4. INSERT ASSEMBLIES

Assemble the full insert assembly as follows:

A. Install handle (33) to insert and secure with five rivets (34) and washers (35).

B. Install gasket (37) to insert box (38).

C. Install eight dividers (32) and cover with lid (31).

Assemble the half insert assembly as follows:

D. Install handle (42) to insert and secure with five rivets (43) and washers (44).

E. Install gasket (46) to insert box (47).

F. Install four dividers (41) to insert box (47) and cover with lid (40).

SECTION 5

ILLUSTRATED PARTS LIST

1. INTRODUCTION

This section of the Illustrated Parts List (IPL) illustrates and lists the replaceable parts used in the container covered in this manual. The exploded view illustrates the disassembled items in the general order of disassembly, and are keyed to the item numbers in the parts list.

2. ILLUSTRATED PARTS LIST ARRANGEMENT

Each assembly listed in the IPL is followed immediately by a listing of its detail parts, properly indented to show their relationship to the assembly. Parts are listed in order or disassembly.

Attaching parts are listed directly after the detail parts or assemblies they attach. In the case of assemblies, the attaching parts precede the details of the assembly. The symbol "---* ---" is used to separate the attaching parts from the parts which follow.

Parts manufactured by Plastics Research, vendor part numbers, and government standard parts are identified in the PART NUMBER column. Nomenclature of the detail parts or assemblies, and specification control drawing numbers are listed in the DESCRIPTION column.

Quantities provided in the UNITS PER ASSY column represent the total required per end item. Quantities shown for attaching parts are the quantities required to attach the associated detail parts of assemblies.

3. SYMBOLS AND ABBREVIATIONS

The following symbols and abbreviations are used in the parts list.

Symbol or Abbreviation		Definition
ALT	-	Alternate
AR	-	As Required
ASSY	-	Assembly
CAGE	-	Commercial and Government Entity
DIA	-	Diameter

FIG.	-	Figure
IPL	-	Illustrated Parts List
NHA	-	Next Higher Assembly
No.	-	Number
REF	-	Reference
SCD	-	Source Control Drawing
&	-	And
---*---	-	End of Attaching Parts

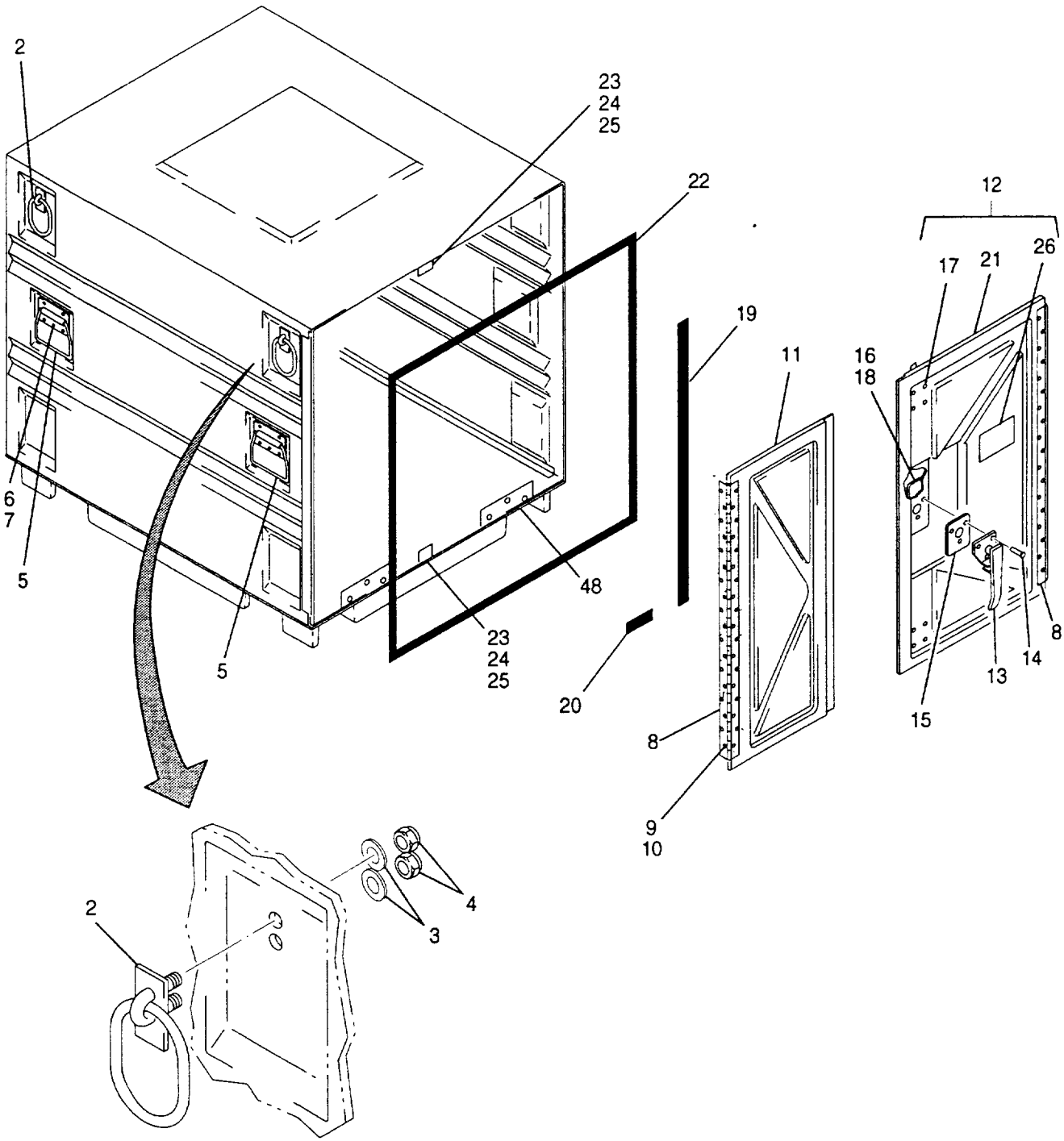
4. CAGE CODES

The following is a list of CAGE codes and the names and addresses applicable to each code. The commercial and government entity codes used in the CAGE column of the maintenance parts list are as shown in Cataloging Handbook H4 and H8.

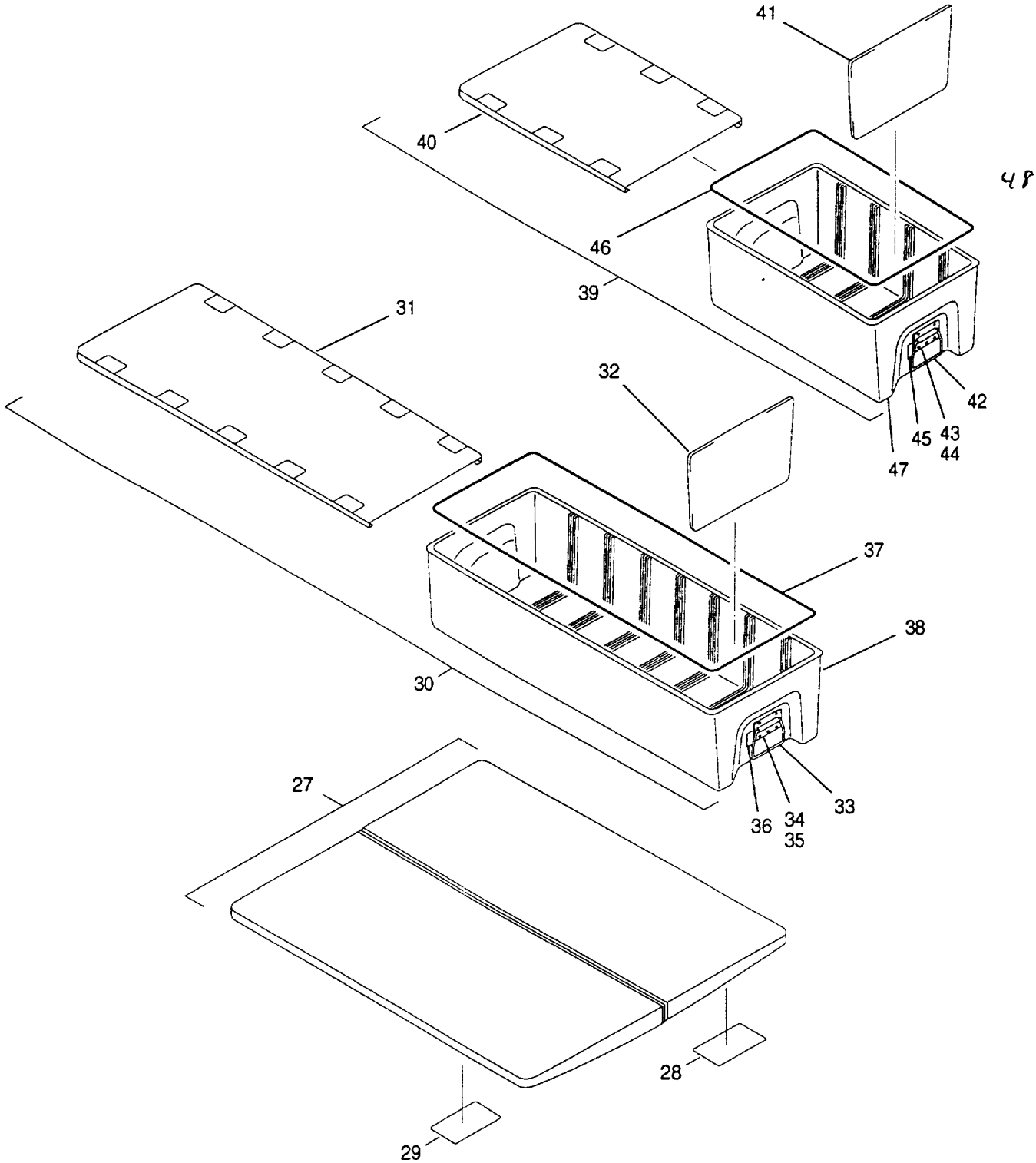
CAGE	MANUFACTURERS' NAME AND ADDRESS
OE328	McMaster Carr Supply Co. 9630 Norwalk Blvd. Santa Fe Springs, CA 90670-9232 (For Items 45, 54)
09808	Stocker Hinge Mfg. Co. 8822 W. 47 Street Brookfield, IL 60513-2516
11815	Cherry Aerospace Fasteners Division of Cherry Textron 1224 E. Warner Ave. Santa Ana, CA 92707-0157 (For Items 5, 8, 12, 15, 16, 28, 44, 53)
19220	Eberhard Mfg. Co. 21944 Drake Rd. Strongsville, OH 44136-6609
51489	Plastics Research Corporation 13538 Excelsior Dr. Santa Fe Springs, CA 90670 (For Items 1,4,6,7,9-11,13,14, 17-22,24-27,30-33, 36-43, 46, 48-52, 55, 57)

57137 Trim-Lok Corp.
7220 E. Compton Blvd.
Paramount, CA 90723-3908
(For Items 47, 56)

98003 Nielsen Hardware Corp.
770 Wethersfield Ave.
Hartford, CT 06141



Exploded View, Pallet Container (Sheet 1)
Figure 2



Exploded View, Pallet Container (Sheet 2)
Figure 2

FIG NO. ITEM	PART NUMBER	DESCRIPTION	UNITS PER ASSY
2–			
-1	102440	CONTAINER ASSEMBLY, PALLET	4
2	102291	.LIFT RING ASSEMBLY	4
		ATTACHING PARTS	
3	MS15795–817	.WASHER, FENDER, 0.53 ID X 2.00 OD X 0.062 THK, SST	8
4	MS51922–30	.NUT, SELF LOCKING, 7/16–20 UNF, SST	8
		---*---	
5	H945–3500–SS2RG100–O	.HANDLE, CHEST (98003)	4
		ATTACHING PARTS	
6	SSP–610	.RIVET, 0.188 X 0.251 – 0.375 GRIP (11815)	20
7	AN960–9	.WASHER, RIVET, 3/16 ALUM. 0.50 OD X 0.06 THK	20
		---*---	
8	1–0636–0228	.HINGE, DOOR (09808)	2
		ATTACHING PARTS	
9	AD64AH	.RIVET, 0.188 X 0.126, 0.250 GRIP (11815)	36
10	SSPQ–64	.RIVET, 0.188 X 0.126, .0250 GRIP (11815)	16
		---*---	
11	102422	.DOOR, LEFT	1
12	102426	.DOOR ASSEMBLY, LATCHING	1
13	4–8056	..HANDLE, SURFACE MOUNT (19220)	1
		ATTACHING PARTS	
14	SSCQ–66	..RIVET, 120 DEG. X 0.188 X 0.251 – 0.375 GRIP (11815)	3
		---*---	
15	102436	..SPACER, PVC	1
16	5658–12–X82X	..LATCH ASSEMBLY (19220)	1
		ATTACHING PARTS	
17	SSPQ–64	..RIVET, BLIND, 0.188 X 0.312 – 0.375 GRIP (11815)	8
18	SSPQ–88	..RIVET, BLIND, 0.250 X 0.??? – 0.??? GRIP (11815)	4
		---*---	
19	102517–11	..GASKET, 1.18 W X 39.84 LG X 0.38 THK	1
20	102517–13	..GASKET, 2.5 W X 1.0 LG X 0.38 THK	1
21	102423	..DOOR, RIGHT	1
22	005658–12–X82X	.GASKET. DOOR	1
23	102424	.BRACKET, LATCH	2
		ATTACHING PARTS	
24	90273A542	.SCREW, 1/4 X 20, 82 X 1 INCH	4

– Not Illustrated

FIG NO. ITEM	PART NUMBER	DESCRIPTION	UNITS PER ASSY
2–			
25	90640A129	.NUT 1.4 X 20	4
		---*---	
26	102487–3	.PLATE, ID	1
27	102418	.RACK, CONTAINER, ASSY (C/O TWO SHELF UNITS)	1
28	102487–7	..PLATE, ID	1
29	102487–5	..PLATE, ID	1
30	102438	.INSERT ASSY, FULL	1
31	102430	..LID, FULL INSERT	1
32	102434	..DIVIDER	8
33	H945–3520–SS2RG100–O	..HANDLE, CHEST (98003)	2
		ATTACHING PARTS	
34	AAPQ–66	..RIVET, 0.188 X 0.251 – 0.375 GRIP (11815)	5
35	90183A217	..WASHER, AL 3/16 X 0.50 OD X 0.06 THK (0E328)	5
		---*---	
36	102487–7	..PLATE, ID	1
37	X113HT	..GASKET, 0.38 X 0.188 X 116.15 ± 0.5 LG (57137)	1
38	102429	..BOX, FULL INSERT	1
39	102439	. INSERT ASSY, HALF	1
40	102432	..LID, HALF INSERT	1
41	102434	.. DIVIDER	4
42	H945–3500–SS2RG100–O	..HANDLE, CHEST (98003)	1
		ATTACHING PARTS	
43	AAPQ–66	..RIVET, 0.188 X 0.251 – 0.375 GRIP (11815)	5
44	90183AD217	..WASHER, AL 3/16 X 0.50 X 0.06 THK (0E328)	5
		---*---	
45	102487–9	..PLATE, ID	1
46	X113HT	..GASKET, 0.38 X 0.188 X 70.75 ± 0.5 LG (57137)	1
47	60–2829	.ANGLE, ALUM	1
48	102431	.BOX, HALF INSERT	1

RECORD OF CHANGES

CHANGE NO.	DATE ENTERED	ENTERED BY (Signature, Rank)

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PREFACE

PUBLICATION CUT-OFF DATE

1. Information in this Repair Parts List (RPL) is the latest available for this equipment as of 6 JUIY 1995.

SCOPE OF CONTENTS

2. RPL TM 8115-13&P/l USMC Supplement 1 serves as a list of all parts required to maintain and support this equipment. This publication furnishes complete data, including items used in conjunction with and furnished as part of, or with, the equipment, to enable the user to perform required maintenance and supply support of the equipment described herein. It is comprised of the Preface and the following parts: Part I, Item Identification Listing; Part II, Item Number Cross-Reference; Part III, National Stock Number Cross-Reference and Part IV, Part Number Cross-Reference.

3. This preface furnishes explanations and application of the information contained in the succeeding parts of this RPL, defines Source Maintenance Recoverability (SMR) codes (page viii); and lists applicable Commercial and Government Entities' identification (page xii).

PART I - ITEM IDENTIFICATION LISTING

4. This listing comprises the main part of the RPL. It is arranged in columns which show stock numbers, item identification, and other data necessary to maintain this equipment in an operative condition. Illustrations are placed either before, or in close proximity to, the component or assembly. The items are arranged in topdown breakdown sequence within the major combination.

Repair Parts. This listing presents all repair parts contained in the equipment and is numbered in sequence by component. Repair parts need not be identical with parts of the original equipment, but as replacement parts they are considered suitable or preferred.

5. Item Numbers (Column 1). This column specifies item numbers assigned in numerical sequence and in the order that each item appears in the RPL. The item numbers are provided for reference purposes. In emergencies, these item numbers may be used for RPL number and date on requisitions which combat units transmit by message.

6. Model (Column 2). This column indicates by an alphabetical code the specific application of repair parts, components, or assemblies when more than one model of an assembly, component, or equipment is contained in this publication. The absence of the code indicates that only one version of the item (assembly, component, or equipment) is covered by this RPL.

7. Stock Number (Column 3). This column furnishes National Stock Numbers (NSNs) assigned to those centrally managed items required for support of the equipment. When they have been assigned, NSNs will be used in all supply operations, from original purchase to final disposal of the item. Absence of an NSN indicates the item is not normally stocked as a repair part, as indicated by the source code portion of the SMR codes. If an item without an NSN is required, it should be determined if the item can be obtained from assembly, manufacturer or salvage by referring to the source code. Items not stock numbered, that cannot be obtained from these sources, may be requisitioned using the manufacturer's code and part number referencing the RPL number, date of the RPL and the line item number which applies.

8. Reference Designator (Column 4). This column contains alphabetical and/or numerical designators for referencing an individual repair part to an illustration. The absence of a reference designator indicates there is no illustration for the part.

9. Indenture (Code (Column 5). This column contains the Indenture Code Letter which indicates the relationship of a line item to the end item or to the preceding component, assembly, or subassembly. Visual indentation of the line item is not shown; however, the Indenture Code Letter will enable the user of the RPL to interpret the relationship of the line item with its next higher assembly.

a. Normally, the Indenture Code Letters indicate the following relationship:

Code	Relationship
"A"	End item
"B"	Component; attaching parts for component or detail parts of the end item not contained in a component
"C"	Assembly; attaching parts for assembly or detail parts of component not contained in a component

Code	Relationship
"D"	Subassembly; attaching parts for subassembly or detail parts of assembly not contained in subassembly
"E"	Detail parts of subassembly
"F"	And so forth

10. Item Identification (Column 6). This column contains the item name and description of the repair part. When an item is duplicated, the abbreviation (S/A) is inserted after the noun name to indicate "same as". S/A items refer to the line item number of the item's first appearance in the major combination. When an item is fabricated from other items, the abbreviation FAB FR, followed by the item required for the fabrication, is inserted after the item identification. When an item is assembled from other items, the abbreviation ASSEM FR is used, followed by each item required for the assembly of the item. When" the items comprise a kit or set, a complete list of the components will be given in alphabetical order immediately following the item, under the heading "Consist of', abbreviated (C/O).

11. Unit of Measure (Column 7). This column indicates the measure of quantity specified in column 8 and is not to be used for requisitioning purposes. When requisitioning parts, the Unit of Issue, Stores Account Code, and Unit Price should be obtained from the " Master Header Information File (MHIF)."

12. Quantity (Column 8). This column is divided into sub-columns (A) and (B) and indicates the following:

(A) The quantity of a maintenance or a non-maintenance part used in a specific application within the end item.

(B) The consolidated quantity of a maintenance part used in an end item upon the item's first appearance in this list.

13. Source Maintenance Recoverability Code (Column 9). This column contains a series of alphabetic letters which denote the uniform source, maintenance and recoverability coding structure. This Code is assigned to items subordinate to or associated with an end item, i.e., spares, repair parts and support equipment. The uniform code format is composed of three parts consisting of a two (2) position Source Code, a two (2) position Maintenance Code and a one (1) position Recoverability Code.

a. The code provides the user with information on each item relative to (1) the method of obtaining the item, for example, by requisition, fabrication or salvage; (2) the lowest maintenance echelon authorized to remove, replace and use the item and the lowest echelon capable to perform complete repair; and (3) disposition action on unserviceable items.

b. Definitions of SMR codes are listed on page viii of the preface. Sample SMR codes are:

(1) Source	(2) Maintenance		(3) Recoverability
	Use	Repair	
PA	F	F	A
PB	F	H	H
PC	O	Z	Z
AF	F	Z	Z
MF	F	F	F
KF	H	Z	Z
XA	F	Z	Z
XB	O	F	F
XC	H	Z	Z

PART II - ITEM NUMBER CROSS-REFERENCE

14. Part II consists of a cross-reference from RPL item numbers to part numbers and manufacturers' code numbers. Part II is arranged in numerical sequence by RPL item number and contains only those items listed in Part I which do not have an NSN.

PART Ill - NATIONAL STOCK NUMBER CROSS-REFERENCE

15. Part III consists of a cross-reference from NSNs to RPL item numbers, part numbers, and manufacturers' code numbers. Part III is arranged in NSN sequence and contains only those items listed in Part I which have an NSN.

PART IV - PART NUMBER CROSS-REFERENCE

16. Part IV consists of a cross-reference from part numbers to manufacturers' code numbers, RPL item numbers, and NSNs for all items listed in Part I for which part numbers are available. Part IV is arranged in alpha numeric sequence by part number.

PART V - CIRCUIT SYMBOL NUMBER TO ITEM NUMBER CROSS-REFERENCE

17. This cross-reference, which is applicable to electronic equipment RPLs only, consists of all circuit symbol numbers listed in Part I and cross-references each circuit symbol number to its individual RPL item number. If an excessive quantity of circuit symbols are required, this cross-reference may be omitted.

REQUISITIONING OF PUBLICATIONS

18. Publications stocked by the Marine Corps shall be requisitioned as set forth in the current editions of MCO P5600.31, Marine Corps Publications and Printing Regulations and MCO P4400.150, Marine Corps Consumer-Level Supply Policy Manual, Failure to comply with these instructions may result in return of the requisition or delay in processing.

CHANGES

19. Changes will be forwarded as required. Changes to Marine Corps Stocklist and Marine Corps Technical Manuals will be numbered consecutively beginning with number 1. Each change will show the new effective date of this RPL and latest Marine Corps Modification Technical Instructions for which repair parts are included. When changes are received, annotate the Record of Changes sheet.

20. Changes to other Service Publications and Commercial Manuals, adapted for Marine Corps use, will be identified by Alpha letters beginning with letter A. These changes will be handled the same as changes to Marine Corps Stocklist.

21. Changes to Marine Corps Stocklists for NSNs will not be made on an as received basis. Changes to NSNs, initiated by Replacement Parts, Substitute Parts, Standardization and other actions that are denoted by Phrase Code Actions in the Federal Logistics Online Information System (FEDLOG) will be held until it has been determined that a sufficient number of changes warrant such action.

PUBLICATIONS FEEDBACK

22. Technical publications play a critical role in achieving system and equipment readiness. Because of this factor, the currency and accuracy of the data published in these documents are essential. Form NAVMC 10772, Recommended Changes to Publications/ Logistics-Maintenance Data Coding provides a medium for accelerating information feedback to effect the necessary corrections, changes, and/or revisions, as appropriate. Typographical errors need not be reported. Using units shall requisition Form NAVMC 10772 through the normal Marine Corps supply channel. If this form is not adequate to cover a particular situation or recommendation , a letter should be directed to the Commander (Code 853), Marine Corps Logistics Bases, 814 Radford Boulevard, Albany, Georgia 31704-1128.

MISCELLANEOUS

23. For full information concerning the Marine Corps Stocklist publications, see the current edition of MCO P52 15.17, The Maine Corps Technical Publications System.

DEFINITIONS AND APPLICATION OF SOURCE MAINTENANCE RECOVERABILITY CODES

SOURCE CODES

Code	Application/Explanation

Source codes are assigned to support items and indicate the manner of acquiring the item for maintenance or overhaul of end items. Source codes are entered in the first and second position of the SMR code.

SERIES A: ASSEMBLE, COMPLETE ASSEMBLY NOT STOCKED

Code "A" entered in the first position of the source code applies to items that are not procured as assemblies but are assembled within the Marine Corps prior to installation. The code entered in the second position designates the lowest echelon authorized to assemble the item. All the parts used in the assembly will be "P" coded.

AO	Assemble at organizational maintenance level 2nd echelon.
AF	Assemble at field maintenance level 3rd echelon.
AH	Assemble at field maintenance level 4th echelon.
AD	Assemble at depot maintenance level 5th echelon.

SERIES K: ITEMS OF A KIT, NOT PURCHASED SEPARATELY

KD	An item of depot overhaul/repair kit and not purchased separately. Depot kit defined as a kit that provides items required at the time of overhaul or repair.
KF	An item of a maintenance kit and not purchased separately. Maintenance kit defined as a kit that provides an item that can be replaced at organizational or intermediate levels of maintenance.
KB	Items included in both a depot overhaul/repair kit and a maintenance kit.

SERIES M: MANUFACTURE, PARTS NOT PROCURED

Code "M" entered in the first position of the source code applies to items that are not procured but are capable of being fabricated or manufactured within the Marine Corps. These items have relatively low usage and will generally be fabricated or manufactured only as required for immediate repair or replacement. The code entered in the second position designates the lowest echelon authorized to manufacture or fabricate the item. Units will requisition the bulk materiel under the NSNs and the quantities indicated to effect the fabrication or manufacture of the item.

MO	Manufacture or fabricate at organizational maintenance level 2nd echelon,
MF	Manufacture or fabricate at field maintenance level 3rd echelon.
MH	Manufacture or fabricate at field maintenance level 4th echelon.
MD	Manufacture or fabricate at depot maintenance level 5th echelon.

SERIES P: PARTS PROCURED, SUPPLY SYSTEM STOCK

PA	Applied to items procured for the Marine Corps supply system for anticipated or known usage.

SOURCE CODES , CONTINUED

Code	Application/Expkmation
PB	Applied to items for which no usage is anticipated, but procured for the Marine Corps supply system in limited quantity for issuing purposes.
PC	Applied to iterns procured for the Marine Corps supply system which would be coded PA except that they are deteriorative in nature.
PD	Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional initial issues or outfitting. Not subject to automatic replenishment.
PE	Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities.
PF	Support equipment which will not be stocked but which will be centrally procured on demand.
PG	Applied to parts procured from the Marine Corps supply system to provide for the sustained support for the life of the equipment. It is applied to an item peculiar to the equipment which because of probable discontinuance or shutdown of production facilities would prove uneconomical to reproduce at a later time.

SERIES X: NOT PROCURED, GENERALLY IMPRACTICAL FOR STOCKING, MAINTENANCE, OR MANUFACTURE

Items listed in this publication, which are source coded XA or XB, may have been subsequently assigned an NSN because of other applications in the Marine Corps. Therefore, if an item source coded in the XA or XB series in this publication is required, users are directed to first make the following investigations:

a. Check the corresponding part number in FEDLOG to determine if an NSN has been assigned.

b. If an NSN has been obtained from the above check, refer to FEDLOG for the latest supply management decision regarding the stock number.

c. Check stock for availability of part(s) having a National Stock Number.

d. If the review of stock discloses that materiel is not available, refer to FEDLOG for inventory record data regarding the preferred NSN which may have been obtained in the FEDLOG review.

e. Prepare a requisition citing the stock number shown in FEDLOG.

The above review will assist the user in obtaining the correct item of supply from the supply system, when available, rather than through alternate methods such as obtaining the desired part from salvage, requisitioning the next higher assembly, or recommending that the equipment be overhauled or retired. If a stock number for the desired item does not exist, then the source of supply as defined below will prevail

XA	Applied to items not maintained in the supply system, replacement of these parts is neither practical or economical. Support of the end equipment will be effected by replacing the next higher assembly.
XB	Applied to items not procured for stock, but may be acquired for use through salvage. Activities requiring such items will attempt to obtain them from salvage, if not obtainable from salvage, all efforts to manufacture or assemble the item should be exhausted prior to requisitioning. Such items will be requisitioned through normal supply channels citing manufacturer's code and part number with supporting justification.
XC	Applied to installation drawing, diagram, instruction sheet or field service drawing identified by a manufacturer's part number.

MAINTENANCE CODES

Code	Application/Explanation
	Maintenance codes are assigned to indicate the levels of maintenance authorized to use and repair support items. The maintenance codes are entered in the third and fourth position of the SMR code.
	a. Use (Third Position): The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position will indicate one of the following levels of maintenance:
O	Organizational 1st and 2nd echelon
F	Field 3rd echelon
H	Field 4th echelon
D	Depot 5th echelon
	b. Repair (Fourth Position): The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair. This does not preclude some repair which should be accomplished at a lower level of maintenance unless specifically excluded by the appropriate code (i.e., L).
O	Organizational 1st and 2nd echelon
F	Field 3rd echelon
H	Field 4th echelon
D	Depot 5th echelon
L	Repair restricted to designated Specialized Repair Activity.
Z	Non-reparable. No repair is authorized.
B	No repair is authorized. The item may be reconditioned by adjusting, lubricating, etc., at the user level. No parts or special tools are procured for the maintenance of this item.

RECOVERABILITY CODES

Code	Application/Explanation
	Recoverability codes are assigned to support items and indicate the disposition action for unserviceable items. The recoverability code is entered in the fifth position of the SMR code.
Z	Nonreparable item. When unserviceable, condemn and dispose at the maintenance level indicated in position 3.
O	Reparable item. When uneconomically reparable, condemn at organizational level.
F	Reparable item. When uneconomically reparable, condemn and dispose at field maintenance level 3rd echelon.
H	Reparable item. When uneconomically reparable, condemn at field maintenance level 4th echelon.
D	Reparable item. When beyond lower level of repair capability, return to depot. Condemnation and disposal not authorized below depot level.

RECOVERABILITY CODES , CONTINUED

Code	Application/Explanation
L	Reparable item. Repair, condemnation and disposal not authorized below Specified Special Repair Activity level.
A	Item requires special handling or condemnation procedures because of specific reasons (i.e., precious metal content, high dollar value, critical material or hazardous material). Refer to appropriate manual/directives for specific instructions.

COMMERCIAL AND GOVERNMENT ENTITIES

CODE	MANUFACTURER
05693	CHERRY/TEXTRON INC CHERRY COMMERCIAL FASTENERS PRODUCTS DIV OF TEXTRON INC 1224 E WARNER ST SANTA ANA, CA 92707-3149
09808	STOCKER HINGE MFG CO 8822 W 47TH ST BROOKFIELD, IL 60513-2516
19204	ROCK ISLAND ARSENAL ROCK ISLAND, IL 61201
19220	EBERHARD MFG CO 21944 DRAKE RD STRONGSVILLE, OH 44136-6609
39428	MCMASTER-CARR SUPPLY CO 600 COUNTY LINE RD ELMHUST, IL 60126
5L368	NEW CATHOLIC WORLD 545 ISLAND RD RAMSEY, NJ 07446-1110
51489	PLASTICS RESEARCH CORP 13538 EXCELSIOR DR SANTA FE SPRINGS, CA 906705616
57137	TRIM-LOK INC 6855 HERMOSA CIR BUENA PARK, CA 90622-6180
88044	AERONAUTICAL STANDARDS GROUP DEPT OF NAVY AND AIR FORCE
%906	MILITARY STANDARDS PROMULGATED BY MILITARY DEPARTS UNDER AUTHORITY OF DEFENSE STANDARDIZATION MANUAL 4120-3-M
98003	NIELSEN HARDWARE CORP 770 WETHERSFIELD AVE HARTFORD, CT 06141

PART I - ITEM IDENTIFICATION LISTING

1 ITEM NO	2 MODEL	3 NATIONAL STOCK NUMBER	4 REF DESIG FIG-KEY	5 IND	6 ITEM IDENTIFICATION	7 UNIT OF MEAS	8 QUANTITY (A) PER APPL	8 QUANTITY (B) PER EQUIP	9 SMR CODE
1		8115-01-371-3690		A	BOX, SHIPPING PALCON	EA			
2					**REPAIR PARTS**	.			
3					**PALLET CONTAINER**				
4			002-002	B	RING, ASSEMBLY LIFTING	EA	4	4	XBOZZ
5		5310-00-614-3506	002-003	B	WASHER, FLAT, STL, 0.515 ID, 1.280 OD, 0.104 IN THK	EA	8	8	PAOZZ
6		5310-01-407-4810	002-004	B	NUT, SELF-LOCKING, HEXAGON, STL, 0.438-20 2B UNF, 0.627 IN WAF	EA	8	8	PAOZZ
7		1005-01-044-4555	002-005	B	HANDLE, CHEST, AL PLATE, SS BAIL, SPRING, GRIP	EA	4	6	PAFZZ
8			002-006	B	RIVET	EA	2	2	XBFZZ
9			002-007	B	WASHER, RIVET	EA	2	2	XBFZZ
10		5340-01-406-5557	002-008	B	HINGE, BUTT, CRES, 19 BUTT, 41.00 LG, 0.06 IN THK	EA	2	2	PAFZZ
11			002-009	B	RIVET	EA	36	36	XBFZZ
12		5320-01-321-8626	002-010	B	RIVET, BLIND, STL, T-STEM, UNIV, 0.450 IN FSTNR LG	EA	16	24	PAFZZ
13			002-011	B	DOOR, LEFT	EA	1	1	XBFZZ
14			002-012	B	DOOR ASSEMBLY, LATCHING	EA	1	1	XBFZZ
15		5340-01-406-5558	002-013	C	HANDLE, DOOR, L-SHP, UNTHD, 6.750 LG, 2.925 IN HDL H	EA	1	1	PAFZZ
16			002-014	C	RIVET	EA	3	3	XBFZZ
17			002-015	C	SPACER, PVC	EA	1	1	XBFZZ
18		5340-01-406-5554	002-016	C	LATCH, MORTISE, STL, GRAVITY ACTION	EA	1	1	PAFZZ
19		5320-01-321-8626	002-017	C	RIVET S/A RPL LINE 000012	EA	8		PAFZZ
20			002-018	C	RIVET, BLIND	EA	4	4	XBFZZ

PART I - ITEM IDENTIFICATION LISTING

1 ITEM NO	2 MODEL	3 NATIONAL STOCK NUMBER	4 REF DESIG FIG-KEY	5 IND	6 ITEM IDENTIFICATION	7 UNIT OF MEAS	8 QUANTITY (A) PER APPL	8 QUANTITY (B) PER EQUIP	9 SMR CODE
21			002-019	C	GASKET	EA	1	1	XBFZZ
22			002-020	C	GASKET	EA	1	1	XBFZZ
23			002-021	B	DOOR, RIGHT	EA	1	1	XBFZZ
24			002-022	B	GASKET	EA	1	1	XBFZZ
25			002-023	B	BRACKET, LATCH	EA	2	2	XBFZZ
26		5305-01-204-4186	002-024	B	SCREW, MACHINE, STL, 0.250-20 2A UNC, FLAT CTSK, 1 IN FSTNR LG	EA	4	4	PAOZZ
27		5310-01-374-1808	002-025	B	NUT, SELF-LOCKING, HEXAGON, STL, 0.250-20 2B UNC, 0.439 IN WAF	EA	4	4	PAOZZ
28			002-026	B	PLATE, ID	EA	1	1	MDOZZ
29		8115-01-370-8761	002-027	B	RACK, CONTAINER	EA	1	1	PAOZZ
30			002-028	B	PLATE, ID	EA	1	1	MDOZZ
31			002-029	B	PLATE, ID	EA	1	1	MDOZZ
32		8115-01-371-4882	002-030	B	INSERT, CONTAINER, PREFAB, 45.00 LG, 17.00 W, 11.25 IN H	EA	1	1	PAOOO
33			002-031	C	LID, FULL INSERT	EA	1	1	XBOZZ
34			002-032	C	DIVIDER	EA	8	12	XBOZZ
35		1005-01-044-4555	002-033	C	HANDLE S/A RPL LINE 000007	EA	1		PAFZZ
36		5320-01-081-1305	002-034	C	RIVET, BLIND, AL ALY, T STEM, 0.575 FSTNR IN LG	EA	5	10	PAFZZ
37			002-035	C	WASHER	EA	5	10	XBFZZ
38			002-036	C	PLATE, ID	EA	1	1	MDOZZ
39		5330-01-406-7050	002-037	C	GASKET, 0.375 LG, 0.186 IN W	IN	116	191	PAOZZ
40			002-038	C	BOX, INSERT	EA	1	1	XAOZZ
41		8115-01-377-8817	002-039	B	CONTAINER ASSEMBLY, SAMPLE AND SPECIMEN SHIPPING, OLIVE DRAB	EA	1	1	PAOOO
42			002-040	C	LID, HALF LENGTH IN	EA	1	1	XBOZZ
43			002-041	C	DIVIDER S/A RPL LINE 000034	EA	4		XBOZZ
44		1005-01-044-4555	002-042	C	HANDLE S/A RPL LINE 000007	EA	1		PAFZZ
45		5320-01-081-1305	002-043	C	RIVET S/A RPL LINE 000036	EA	5		PAFZZ

PART I - ITEM IDENTIFICATION LISTING

1 ITEM NO	2 MODEL	3 NATIONAL STOCK NUMBER	4 REF DESIG FIG-KEY	5 IND	6 ITEM IDENTIFICATION	7 UNIT OF MEAS	8 QUANTITY (A) PER APPL	8 QUANTITY (B) PER EQUIP	9 SMR CODE
46			002-044	C	WASHER S/A RPL LINE 000037	EA	5		XBFZZ
47			002-045	C	PLATE, ID	EA	1	1	MDOZZ
48		5330-01-406-7050	002-046	C	GASKET S/A RPL LINE 000039	IN	75		PAOZZ
49			002-047	C	PLATE, SCUFF	EA	1	1	XBOZZ
50			002-048	C	BOX, HALF INSERT	EA	1	1	XBOZZ

ITEM NO	PART NO	MFG CODE
4	102291	51489
8	SSPQ-10	05693
9	AN960-9	88044
11	AD64AH	11815
13	102422	51489
14	102426	51489
16	SSCQ-66	05693
17	1024366	51489
20	SSPQ-88	05693
21	102517-11	51489
22	102517-13	51489
23	102423	51489
24	102421	51489
25	102424	51489
28	102487-3	51489
30	102487-7	51489
31	102487-5	51489
33	102430	51489
34	102434	51489
37	90183A217	5L368
38	102487-9	51489
40	102429	51489
42	102432	51489
43	102434	51489
46	90183A217	5L368
47	102487-11	51489
49	6-02829	51489
50	102431	51489

STOCK NO	ITEM NO	MFG CODE	PART NO
1005-01-044-4555	7	98003	H945-3500 -SS2RG100-0
1005-01-044-4555	35	98003	H945-350 -0SS2RG10-00
1005-01-044-4555	44	98003	H945-350 -0SS2RG10-00
5305-01-204-4186	26	88044	AN505C416-16
5310-00-614-3506	5	96906	MS15795-817
5310-01-374-1808	27	39428	90640A129
5310-01-407-4810	6	39428	90641A132
5320-01-081-1305	36	05693	AAPQ-66
5320-01-081-1305	45	05693	AAPQ-66
5320-01-321-8626	12	05693	SSPQ-64
5320-01-321-8626	19	05693	SSPQ-64
5330-01-406-7050	39	57137	X113
5330-01-406-7050	48	57137	X113
5340-01-406-5554	18	19220	5658-12-X82X
5340-01-406-5557	10	09808	1-0636-0228
5340-01-406-5558	15	19220	4-8056
8115-01-370-8761	29	51489	PRC102418
8115-01-371-4882	32	51489	PRC102438
8115-01-377-8817	41	51489	102439

PART NO	MFG CODE	ITEM NO	STOCK NO	PART NO	MFG CODE	ITEM NO	STOCK NO
AAPQ-66	05693	36	5320-01-081-1305	102423	51489	23	
AAPQ-66	05693	45	5320-01-081-1305	102424	51489	25	
AD64AH	11815	11		102426	51489	14	
AN505C416-16	88044	26	5305-01-204-4186	102429	51489	40	
AN960-9	88044	9		102430	51489	33	
H945-350	98003	35	1005-01-044-4555	102431	51489	50	
-0SS2RG10-00				102432	51489	42	
H945-350	98003	44	1005-01-044-4555	102434	51489	34	
-0SS2RG10-00				102434	51489	43	
H945-3500	98003	7	1005-01-044-4555	1024366	51489	17	
-SS2RG100-0				102439	51489	41	8115-01-377-8817
MS15795-817	96906	5	5310-00-614-3506	102487-11	51489	47	
PRC102418	51489	29	8115-01-370-8761	102487-3	51489	28	
PRC102438	51489	32	8115-01-371-4882	102487-5	51489	31	
SSCQ-66	05693	16		102487-7	51489	30	
SSPQ-10	05693	8		102487-9	51489	38	
SSPQ-64	05693	12	5320-01-321-8626	102517-11	51489	21	
SSPQ-64	05693	19	5320-01-321-8626	102517-13	51489	22	
SSPQ-88	05693	20		4-8056	19220	15	5340-01-406-5558
X113	57137	39	5330-01-406-7050	5658-12-X82X	19220	18	5340-01-406-5554
X113	57137	48	5330-01-406-7050	6-02829	51489	49	
1-0636-0228	09808	10	5340-01-406-5557	90183A217	5L368	37	
102291	51489	4		90183A217	5L368	46	
102421	51489	24		90640A129	39428	27	5310-01-374-1808
102422	51489	13		90641A132	39428	6	5310-01-407-4810